

Figure 1

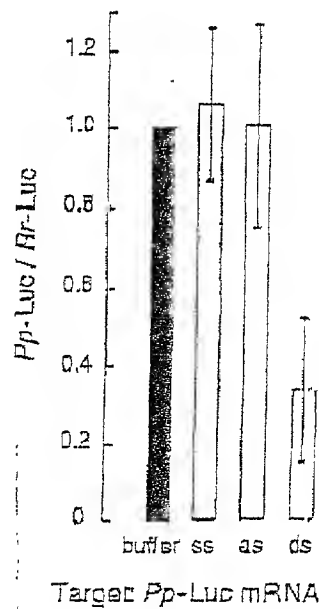


Figure 2A

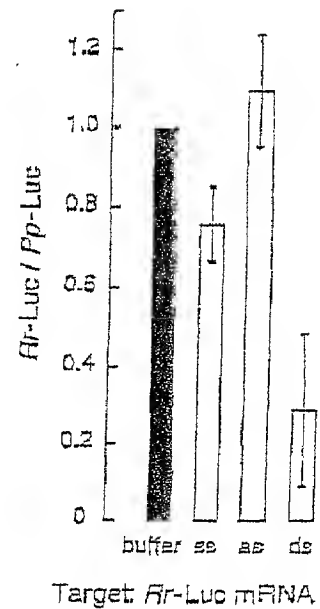


Figure 2B

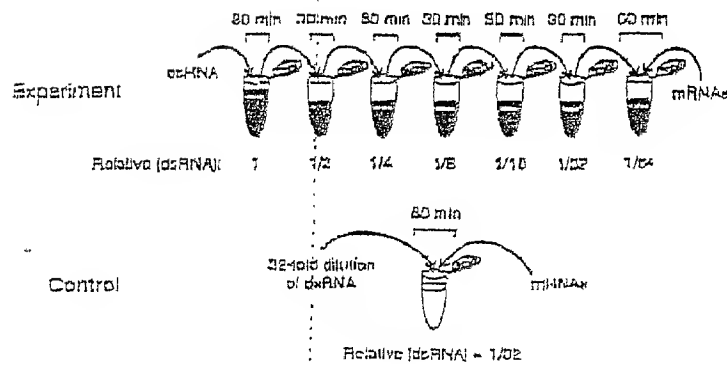


Figure 3A

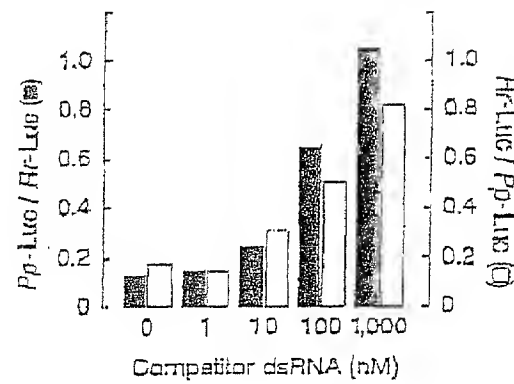
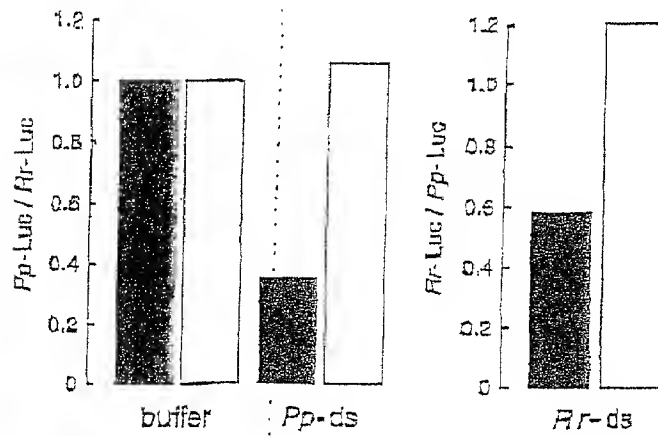


Figure 4

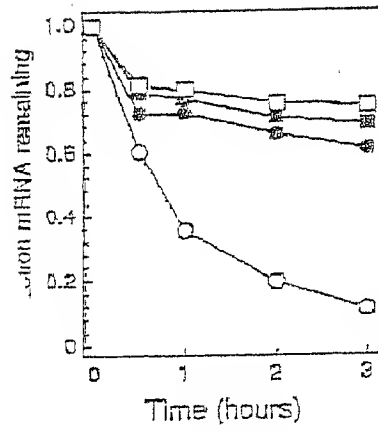


Figure 5A

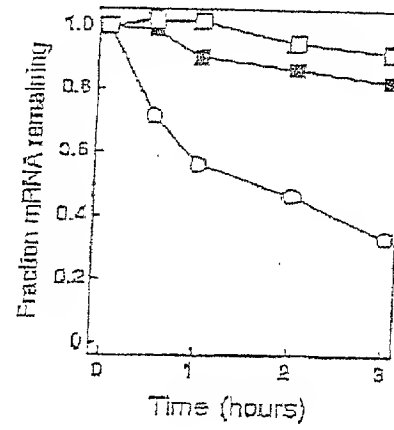


Figure 5B

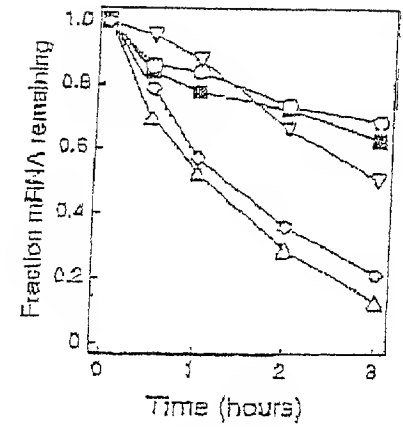


Figure 5C

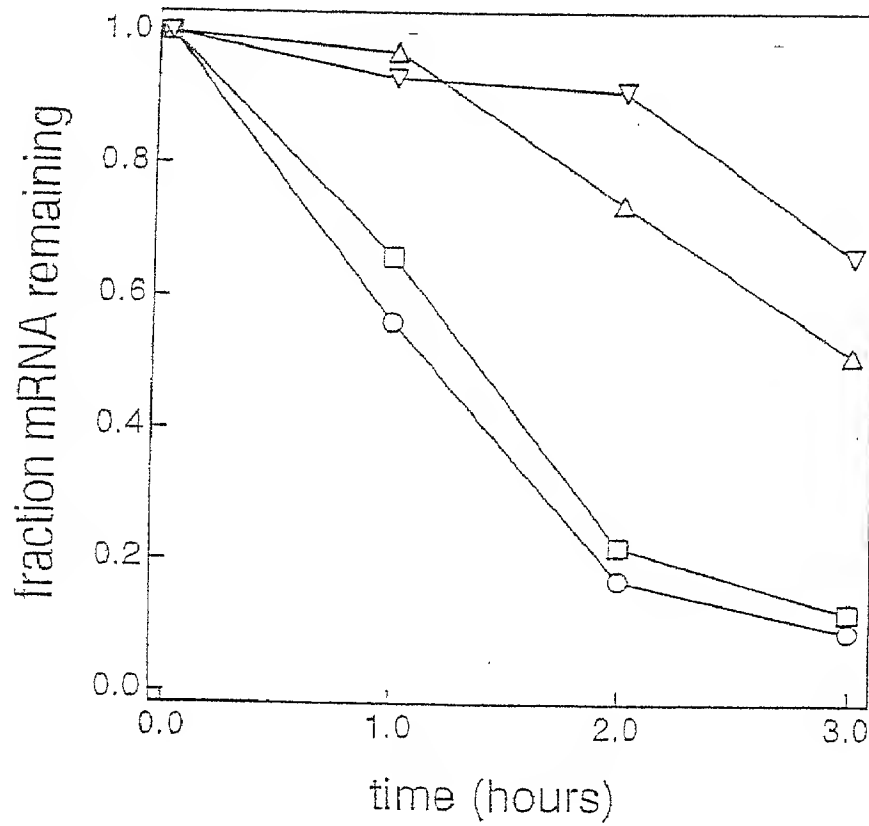


Figure 6

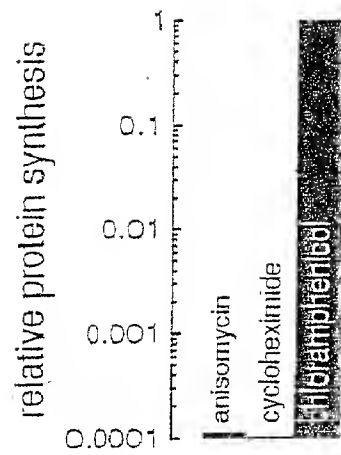


Figure 7A

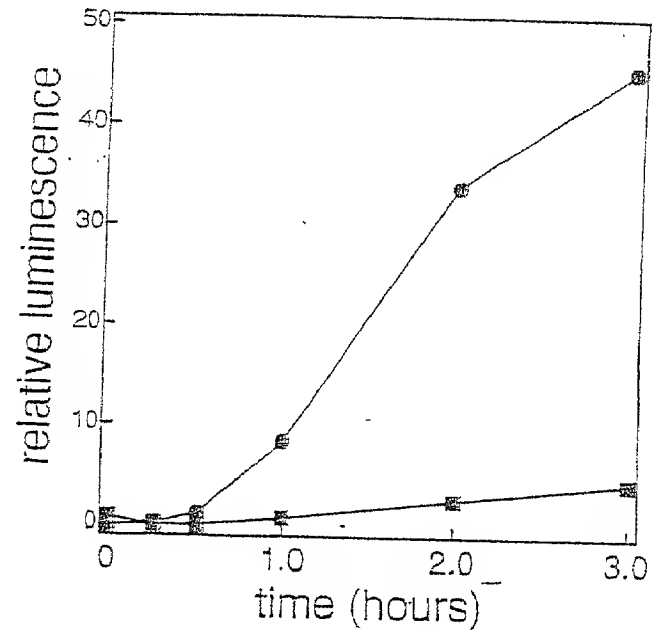


Figure 7B

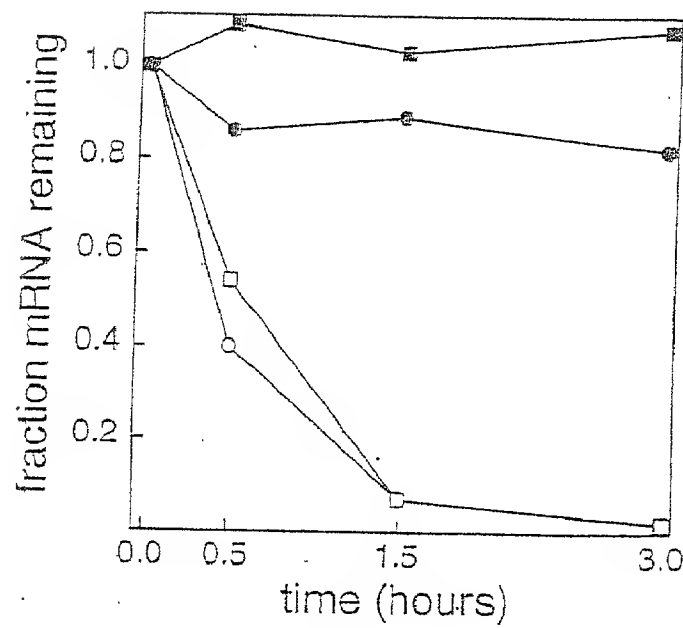


Figure 7C

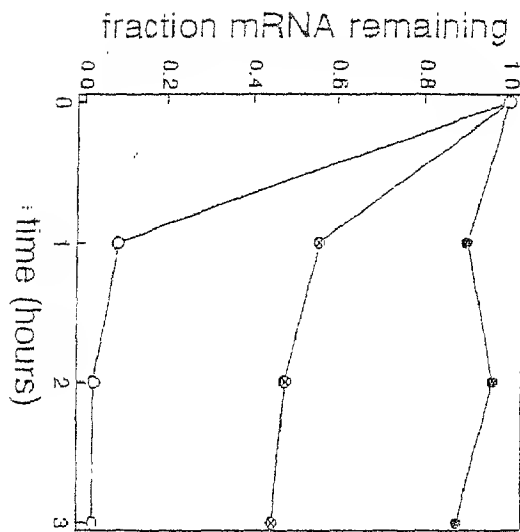


Figure 8A

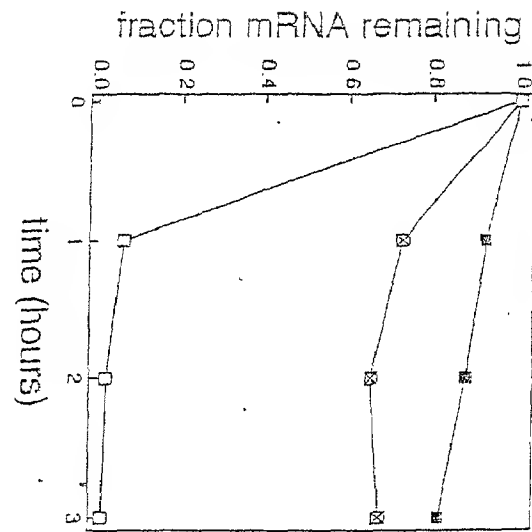


Figure 8B

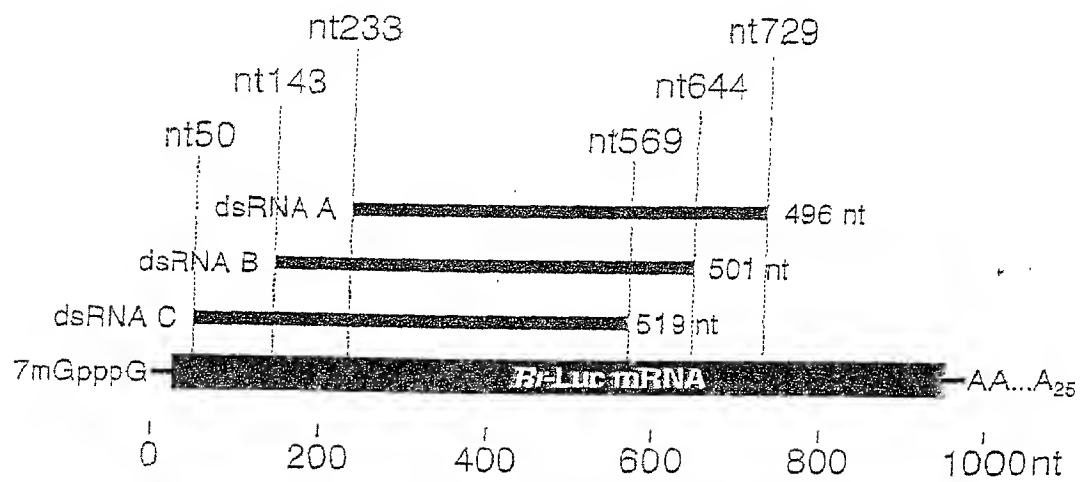


Figure 9

Figure 10

7mGpppGAAUACAAGCUUGGGCCUAGCCACCAUGACUUCGAAAGUUUAUGAUCC  
 AGAACAAAGGAAACGGAU<sup>o</sup>GAUAACUGGUCCGCAGUGGUGGGCCAGAUG  
 UAAACAAUGAAUGUUCUUGAU<sup>o</sup>CAUUUAUUAAUUUAUGAU<sup>o</sup>UCAGAAA  
 AAC AUGCAGAAA AUGC<sup>o</sup>GUUAUUUUUUUACAUGGUAACGCGGCCUCUU  
 CUUAUUUAUGGCGACAUGU<sup>o</sup>UGGCCACAUAUUGAGCCAGUAGCGCGGU  
 GUUAUUAUACCAGACCUUAUUGGUAU...

Sequence-specific gene silencing by 21-23 nt fragments

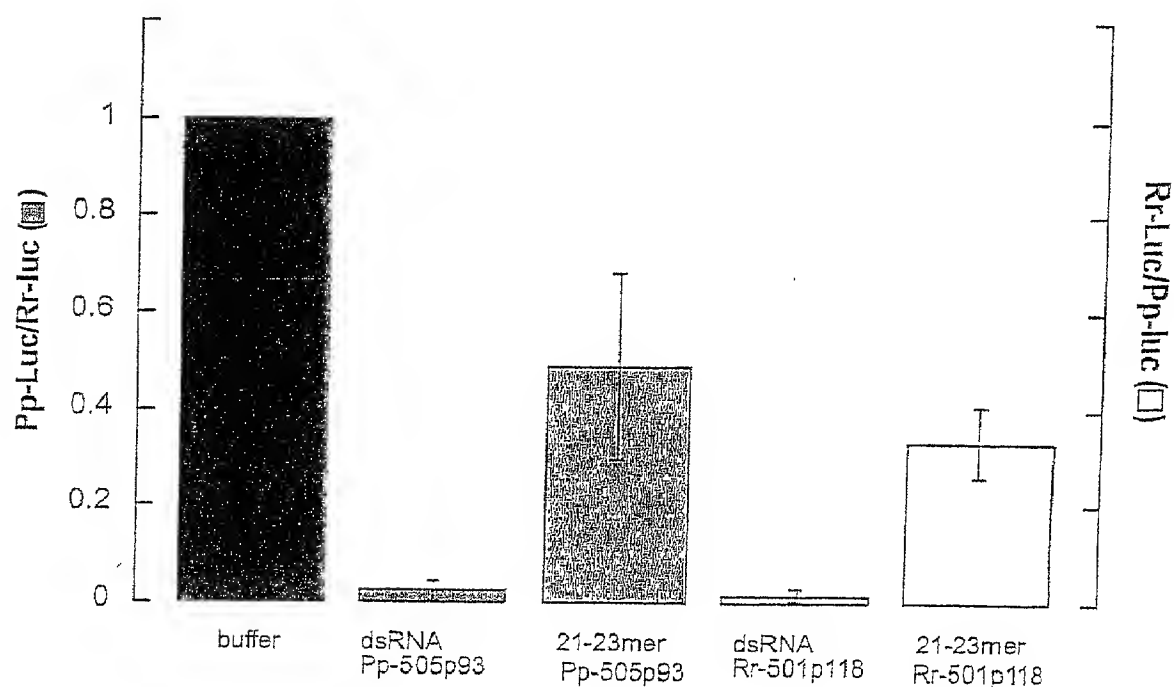


Figure 12

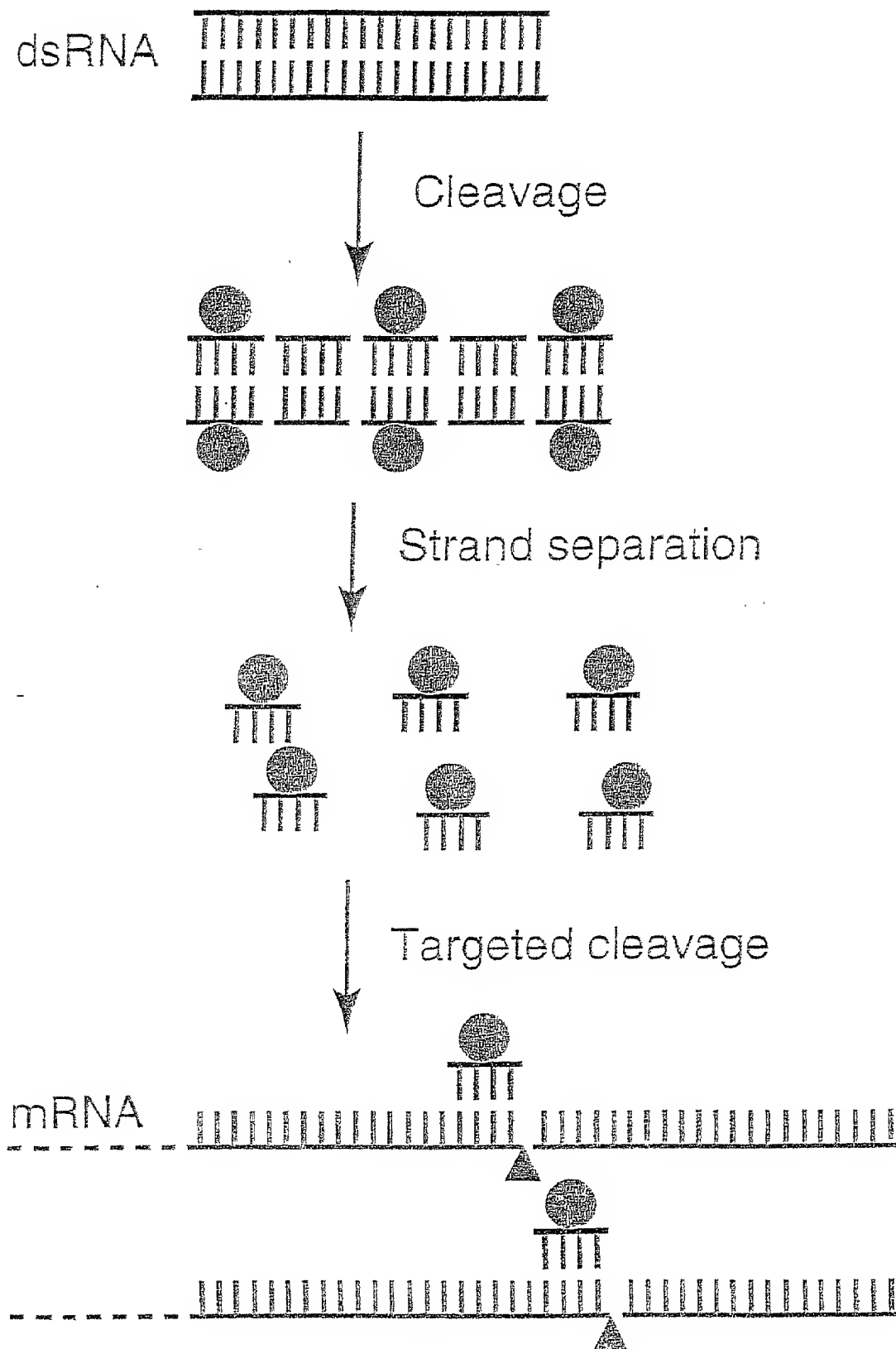
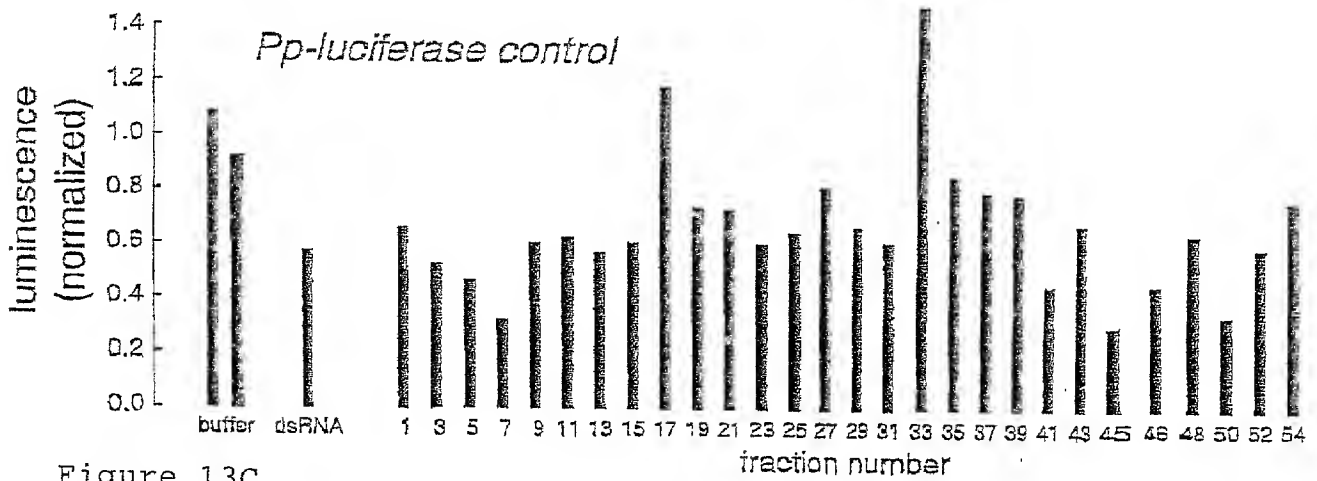
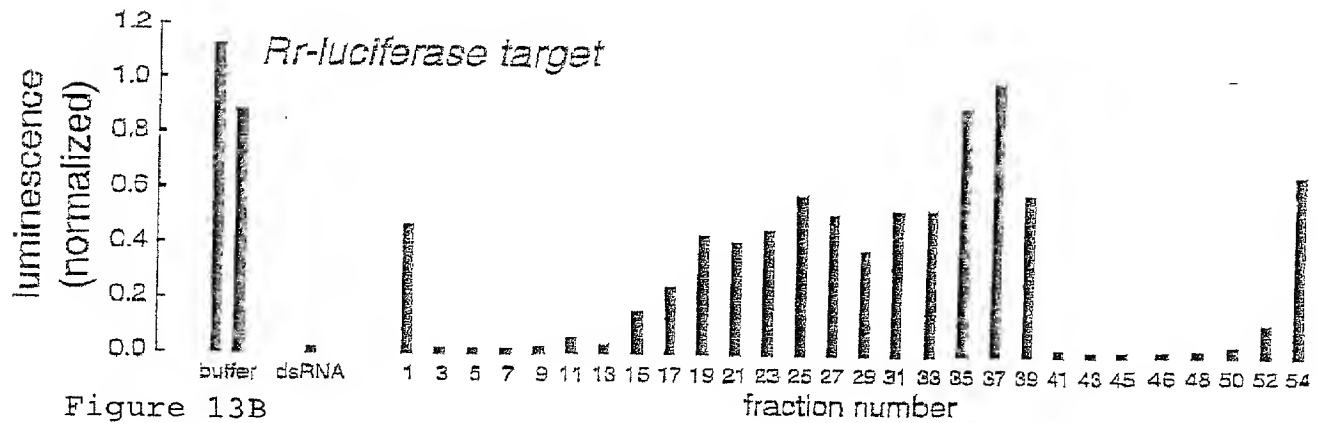
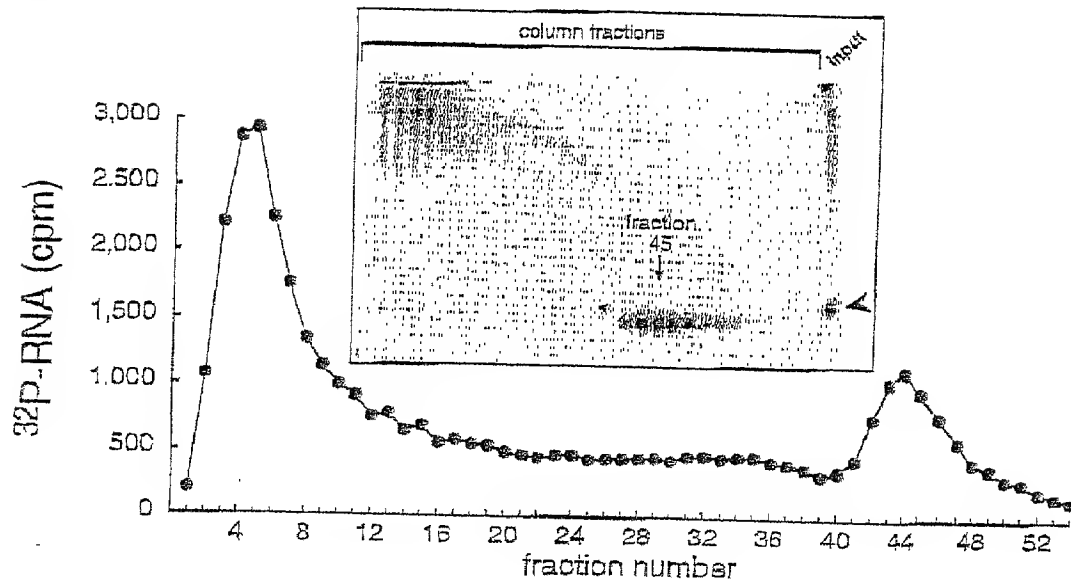


Figure 11

Figure 13A





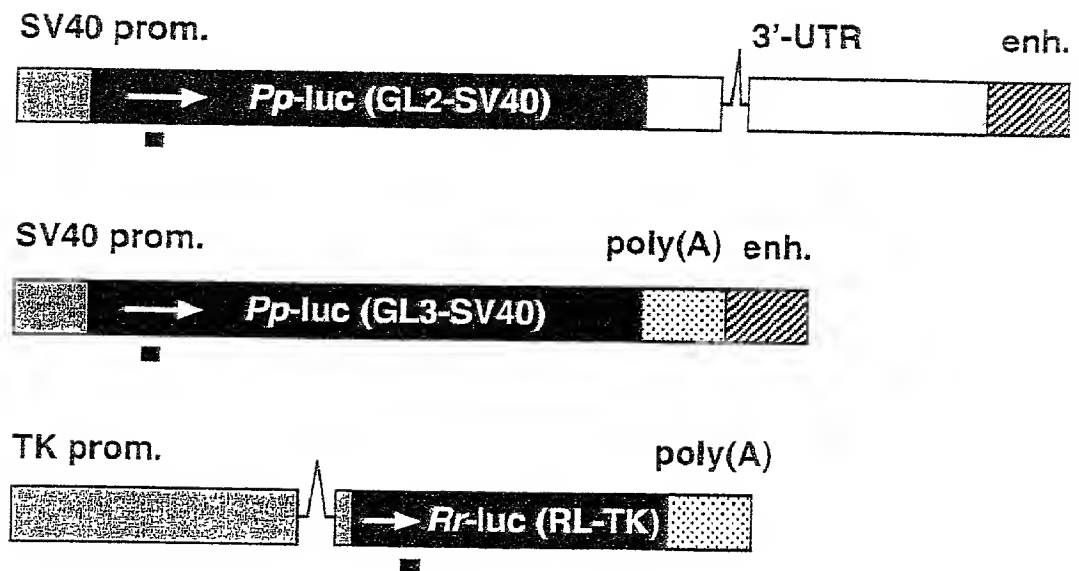


Figure 14A

siRNA  
duplex

uGL2	5' CGUACGCGGAAUACUUCGAUU UUGCAUGCGCCUUAUGAAGCU 5'
GL2	5' CGUACGCGGAAUACUUCGATT TTGCAUGCGCCUUAUGAAGCU 5'
GL3	5' CUUACGCGGAGUACUUCGATT TTGAAUGCGACUCAUGAAGCU 5'
invGL2	5' AGCUUCAUAAGGCGCAUGCTT TTUCGAAGUAUCCGCGUACG 5'
RL	5' AAACAUGCAGAAAAUGCUGTT TTUUUGUACGUCUUUACGAC 5'

Figure 14B

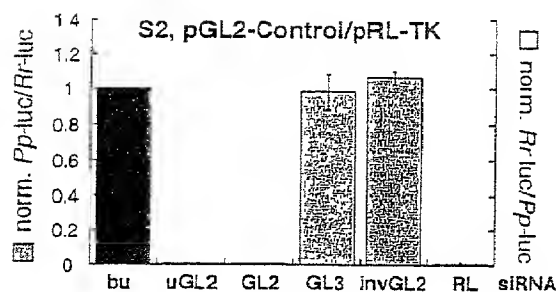


Figure 15A

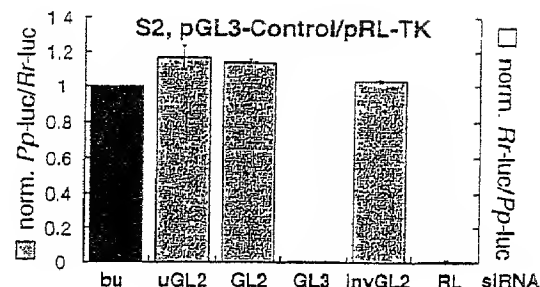


Figure 15B

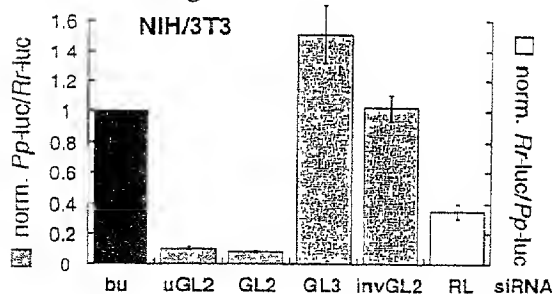


Figure 15C

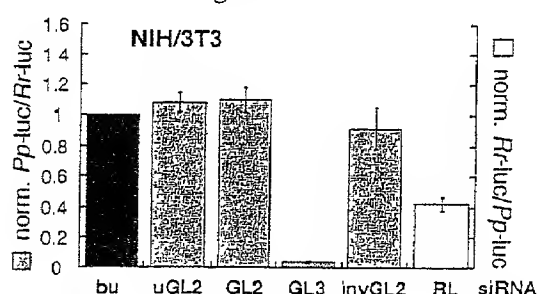


Figure 15D

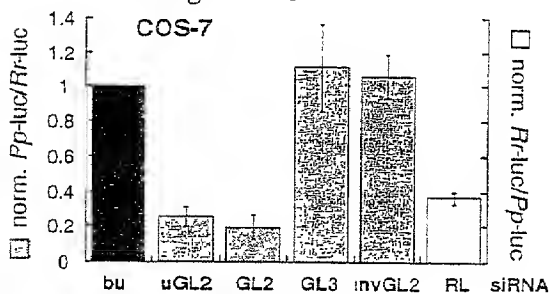


Figure 15E

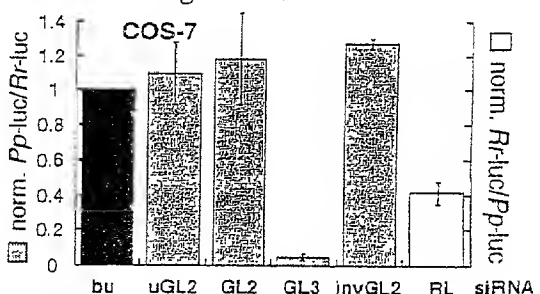


Figure 15F

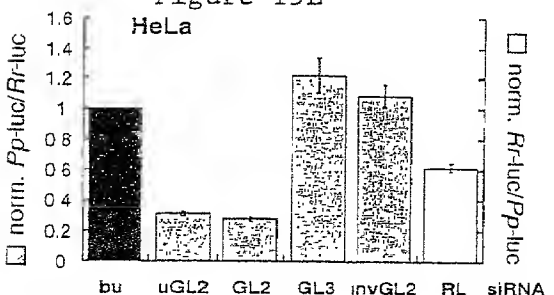


Figure 15G

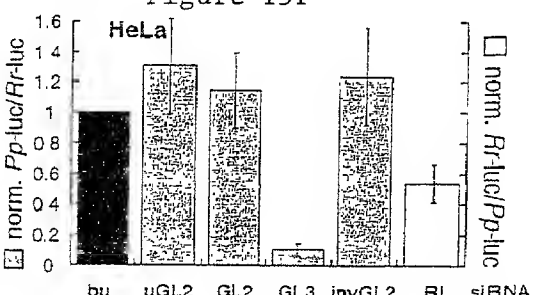


Figure 15H

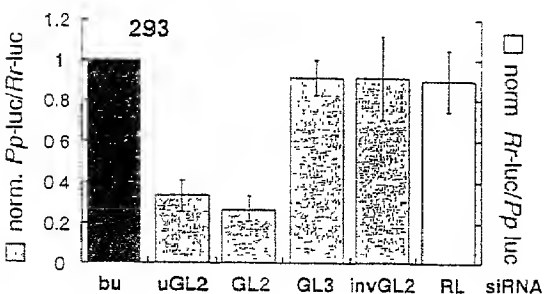


Figure 15I

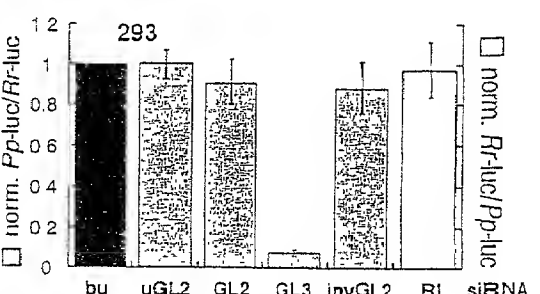


Figure 15J

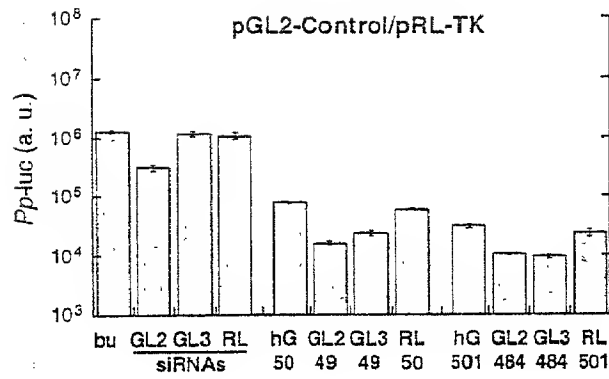


Figure 16A

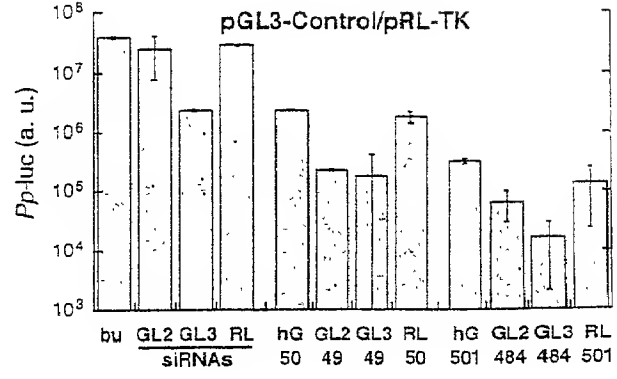


Figure 16B

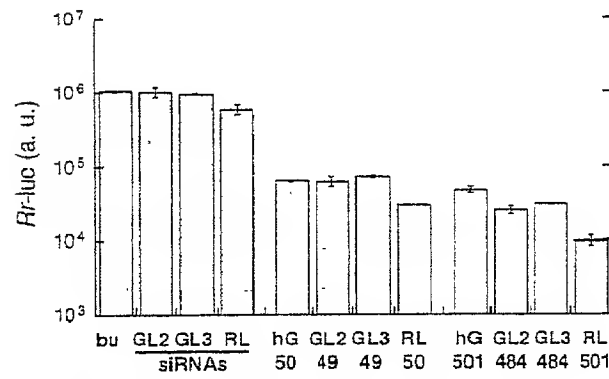


Figure 16C

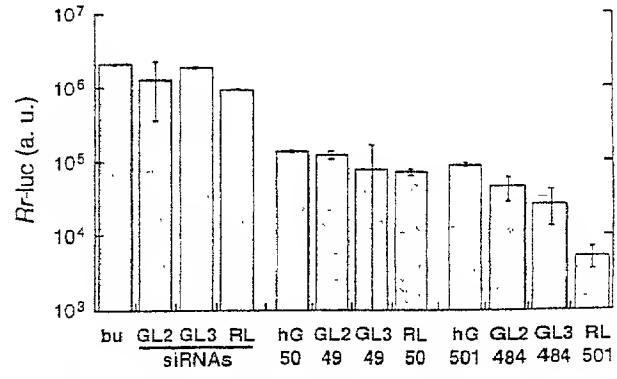


Figure 16D

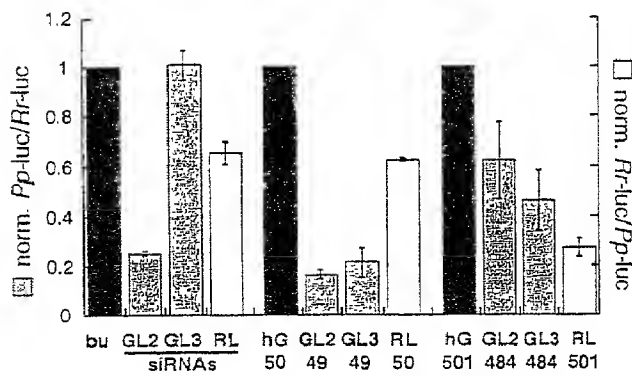


Figure 16E

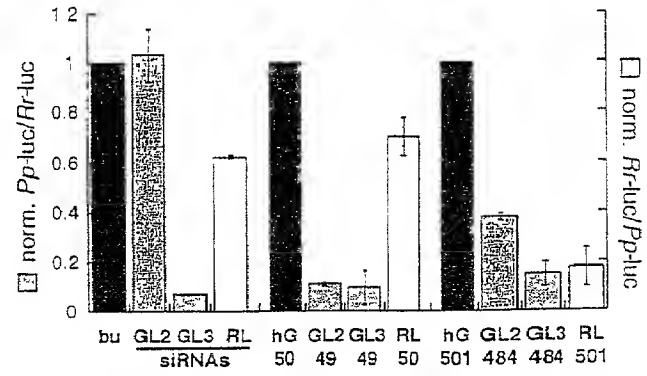


Figure 16F